OIL REPORT

LAB NUMBER: G78775 **UNIT ID:** 08 M3
REPORT DATE: 5/20/2015 **CLIENT ID:** 83450
CODE: 63/75 **PAYMENT:** CC: Visa

UNIT

MAKE/MODEL: BMW 4.0L (S65) V-8 2008-2011
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:
OIL TYPE & GRADE: BMW 10W/60
OIL USE INTERVAL: Miles

CLIENT

JEREMY HEBERT
1419 KENT AVE.
NEDERLAND, TX 77627
PHONE: (409) 718-2147
FAX:
ALT PHONE:
EMAIL: j_hebert519@yahoo.com

COMMENTS

JEREMY: The far right column shows typical wear for this type of BMW engine after about 5,900 miles on the oil. We don't know how long this oil has been in place, but copper and lead are high and may show poor bearing wear. It's too soon to call this a bearing problem for sure, but lead is high enough to watch very closely. Maybe these metals are the result of hard use by the last guy - we'll know more with trends. If you can, keep an eye on oil pressure. The trace of fuel is harmless, probably from short trips or idling. Try 3,000 miles and check back on wear metals.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil								
MI/HR on Unit								
Sample Date	5/18/2015							
Make Up Oil Added	0.5 qt							
ALUMINUM	9	9						5
CHROMIUM	1	1						0
IRON	13	13						8
COPPER	**9**	9						3
LEAD	**37**	37						8
TIN	0	0						1
MOLYBDENUM	162	162						118
NICKEL	0	0						1
MANGANESE	1	1						1
SILVER	0	0						0
TITANIUM	32	32						21
POTASSIUM	2	2						2
BORON	22	22						55
SILICON	5	5						4
SODIUM	5	5						7
CALCIUM	2547	2547						2458
MAGNESIUM	88	88						207
PHOSPHORUS	707	707						836
ZINC	922	922						983
BARIUM	0	0						0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	85.3	80-95					
cSt Viscosity @ 100°C	16.83	15.5-19.4					
Flashpoint in °F	**390**	>395					
Fuel %	TR	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	<0.1					
Insolubles %	TR	<0.6					
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com